THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI SATYA BRATA MOOKHERJEE): (a) No, Sir.

(b) Suggestions for paying subsidy on fertilizers direcly to farmers have been made time and again. However, there is no proposal at persent to provide subsidy on chemical fertilizers directly to the farmers because it is felt that the scheme is very difficult to operate and administer and hence cumbersome to provide subsidy directly to farmers.

(c) Yes, Sir. Government would consider any suggestion in this regard if found feasible and practicable to implement.

Companies Manufacturing Chemical Fertilizers and Insecticides/Pesticides

†3966. SHRI JANESHWAR MISHRA: Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

(a) what are the company-wise, production-wise, year-wise details of the companies manufacturing chemical fertilizers and insecticides/pesticides in the country; and

(b) whether it is a fact that our fertilizers and insecticides/pesticides have been rendered ineffective for new bio-technology being used for agriculture and seeds being provided by multi-national companies?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI SATYA BRATA MOOKHERJEE): (a) The details of companies engaged in the manufacture of chemical fertilizers, and their production in terms of nutrients (N & P) during the last three years are given in Statement-I (*See* below). So far as chemical sector is concerned, there are a very large number of companies in the large, medium and small scale, which manufacture various kinds of agro-chemicals hence companies/units-wise detail of manufacturing agro-chemicals is not available. However, production data of agro-chemicals to the extent available with the Government for 1998-99, 1999-2000 and 2000-01 is given in Statement II (*See* below).

(b) Some of the crop varieties, for instance cotton (Bt) and rice (hybrids) evolved with bio-technological interventions being pest resistant may not require the use of pesticides. However, the use of plant nutrients through

† Original notice of the question was received in Hindi.

fertilizers and other sources is necessary in these varieties. Recently the Genetic Engineering Approval Committee of Ministry of Environment and Forest has granted approval for the Environmental release of three transgenic Bt. Cotton Hybrid varieties developed by Maharashtra Hybrid Seed Company namely, Bt. MECH-12, Bt. MECH-162 and Bt. MECH-184 containing Cry 1Ac gene which is reported to be resistant to the Bollworm attack in cotton.

Statement-I

Company-wise, production-wise, year-wise details of the companies manufacturing chemical fertilizers in nutrient terms during 1999-2000, 2000-2001 and 2001-2002

Name of Company/Plant	Production ('000' MT)					
	1999-2000		2000-2001		2001-2002	
	Nitrogen	Phosphate	Nitrogen	Phosphate	Nitrogen	Phosphate
1	2	3	4	5	6	7
Public Sector:						
FCI	140.7	0.0	109.2	0.0	35.1	0.0
NFL	1481.8	0.0	1377.2	0.0	1478.1	0.0
HFC	56.3,	0.0	76.9	0.0	29.6	0.0
FACT	327.5	156.9	344.2	167.6	221.9	165.2
RCF	935.5	126.4	841.6	97.4	794.2	108.6
MFL: Chennai	313.4	139.2	311.0	128.3	230.5	99.3
SAIL: Rourkela	9.1	0.0	2.4	0.0	0.1	0.0
NLC: Neyveli	7.9	0.0	44.7	0.0	28.5	0.0
PPL: Paradeep	135.5	346.8	89.8	229.1	41.3	102.4
PPCL	0.0	2.2	0.0	0.2	0.0	0.0
HCL: Khetri	0.0	0.0	0.0	0.0	0.0	0.0
SSP Units	0.0	5.0	0.0	4.2	0.0	3.8
By Product Units	23.6	0.0	22.6	0.0	20.2	0.0
Total (Public):	**3431.3**	**776.5**	**3219.6**	**626.8**	**2879.4**	**479.4**
Cooperative Sector						
IFFCO	1808.7	709.1	1882.6	664.4	1912.6	793.3
KRIBHCO: Hazira	716.4	0.0	750.1	0.0	779.3	0.0
TOTAL (Co-operative)	**2525.1**	**709.1**	**2632.7**	**664.4**	**2691.9**	**793.3**
Private Sector						
GSFC: Vadodara	247.7	73.1	218.6	76.7	221.6	55.7
CFL: Vizag	88.4	129.0	114.1	145.8	124.1	153.9
SFC: Kota	1861.1	0.0	149.4	0.0	151.9	0.0
DIL: Kanpur	319.7	0.0	309.8	0.0	303.0	0.0

1	2	3	4	5	6	7
ZIL: Goa	242.2	77.0	239.6	78.0	281.6	140.4
SPIC: Tuticorin	408.3	189.1	394.1	223.6	339.0	147.5
MCF: Mangalore	162.8	77.5	188.9	82.9	182.4	66.5
EID-Parry: Ennore	37.2	46.5	37.7	45.6	34.9	42.8
GNFC: Bharuch	346.1	31.1	358.1	31.8	364.2	33.2
TAC: Tuticorin	21.9	0.0	25.6	0.0	20.1	0.0
HLL: Haldia	61.3	173.8	103.1	289.1	106.3	296.5
PNF: Nangal	0.0	0.0	0.0	0.0	0.0	0.0
GSFC: Sikka	109.2	279.0	100.6	236.2	115.7	272.0
GFCL: Kakinada	127.3	302.9	140.5	327.3	129.5	285.7
IGCL	479.3	0.0	411.9	42.2	443.8	134.7
DFPCL: Taloja	45.1	45.1	33.2	33.2	42.0	42.0
NFCL: Kakinada	596.8	0.0	549.5	0.0	562.1	0.0
CFCL: Gadepan	598.3	0.0	785.6	0.0	788.8	0.0
TCL: Babrala	451.9	0.0	392.6	0.0	392.6	0.0
OCF	401.0	0.0	552.2	427.3	589.9	519.3
SSP Units	0.0	488.9	0.0	412.2	0.0	392.1
By Product Units	3.3	0.0	3.7	0.0	3.5	0.0
Total (Private Sector):	**4933.9**	**1913.0**	**5108.8**	**2452.0**	**5197.0**	**2587.5**
Total (Pub+Coop+Pvt):	**10890.3**	**3398.6**	**10961.0**	**3743.2**	**10768.3**	**3860.2**

Statement-II

Production of Technical Grade Pesticides during 1998-99, 1999-2000 and 2000-2001

S.No	Product	Production (in Tonnes)		
		1998-99	1999-2000	2000-2001
1	2	3	4	5
TECHNICAL PESTICIDES/INSECTICIDES				
1.	B.H.C. (13% Gama)	0	0	0
2.	D.D.T.	3357	3638	3766
3.	Malathion Parathion	5227	5894	5103
4.	Methyl	2287	1860	1979
5.	Fenitrothion	0	0	0
6.	Dimethoate	1630	1447	822
7.	D.D.V.P.	2469	2496	2648
8.	Quinalphos	3433	2218	1569
9.	Monocrotophos	10241	9522	8118
10.	Phosphamidon	2952	3234	113

1	2	3	4	5
11.	Phorate	3804	6140	6044
12.	Ethion	1822	3383	3456
13.	Endosulphan	8425	8287	7462
14.	Fenvalarte	1819	1394	1153
15.	Cypermethrin	3228	3741	3388
16.	Anilophos	980	900	800
17.	Acephate	4758	2884	3347
18.	Chlorpyriphos	7240	7513	7000
19.	Phosalone	911	514	583
20.	Metasystox	836	744	583
21.	Abate	235	185	36
22.	Fenthion	212	155	189
23.	Triazaphos	826	845	750
24.	Lindane	921	1107	473
25.	Temephos	16	6	176
26.	Deltamethrin	178	104	134
27.	Alphamethrin	69	361	115
FUNIGICIDES				
28.	Captan & Captafol	1004	1125	1184
29.	Thiram	0	0	0
30.	Ziram	237	0	104
31.	Carbendazim	847	900	712
32.	Calixin	31	35	38
33.	Maacozab	8349	10323	9889
34.	Copperoxy Chloride	66	219	0
HERBICIDES				
35.	2.4-D	2096	1348	1150
36.	Butachlor	670	706	700
37.	Metmitron	0	0	510
WEEDICIDES				
38	Isoproturon	5532	4610	4500
39	Basalin	250	0	0
40.	Glyphosate	1349	1676	728
41.	Paraquat	0	1374	1400
42.	Alachlor	0	0	0
43.	Diuron	24	0	0
44.	Atrazine	0	128	14
45.	Fluchloralin	0	154	50
RODENTICIDES				
46.	Zinc Phosphide	617	474	615
FUMIGANTS				
47.	Aluminium Phos.	2014	1842	2463
48.	Methyle Bromide	119	100	60
49.	Dicofol	101	124	108